

19. (Amended) A method of increasing the number of live births to a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products containing omega-3 fatty acids or esters thereof that serve as a source of metabolites in the female swine to increase the number of live births to the female swine.

20. (Amended) A method of increasing the total number of births to a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products containing omega-3 fatty acids or esters thereof that serve as a source of metabolites in the female swine to increase the total number of births to the female swine.

23. (Amended) A method of increasing the uniformity of birth weight of offspring of a female swine, comprising the step of administering to the female animal a feed composition comprising marine animal products containing omega-3 fatty acids or esters thereof that serve as a source of metabolites in the female swine to increase the uniformity of birth weight of offspring of a female swine.

25. (Amended) A method of increasing the farrowing rate of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products containing omega-3 fatty acids or esters thereof that serve as a source of metabolites in the female swine to increase the farrowing rate of the female swine.

41. (Amended) A method of increasing the reproductive performance of a breeding population of swine comprising the steps of:

administering to a female swine a feed composition comprising marine animal products containing omega-3 fatty acids or esters thereof that serve as a source of metabolites in the female swine to improve reproductive performance of the female swine; and

A6
concd

administering to a male swine a feed composition comprising an oil containing omega-3 fatty acids or esters thereof that serve as a source of metabolites in the male swine to increase fertility of the male swine.

60. (Amended) A method of increasing the reproductive performance of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C_{20} and C_{22} omega-3 fatty acids or esters thereof.

A7

61. (Amended) A method of increasing the number of live births to a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C_{20} and C_{22} omega-3 fatty acids or esters thereof.

62. (Amended) A method of increasing the number of total births to a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C_{20} and C_{22} omega-3 fatty acids or esters thereof.

A8

65. (Amended) A method of increasing the uniformity of birth weight of offspring of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C_{20} and C_{22} omega-3 fatty acids or esters thereof.

A9

67. (Amended) A method of increasing the farrowing rate of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C_{20} and C_{22} omega-3 fatty acids or esters thereof.

A10

69. (Amended) A method of increasing the reproductive performance of a breeding population of swine comprising the steps of:

administering to a female swine a feed composition comprising marine animal products comprising C₂₀ and C₂₂ omega-3 fatty acids or esters thereof; and

administering to a male swine a feed composition comprising a biologically effective amount of an oil from which is derived omega-3 fatty acids selected from the group consisting of eicosapentaenoic acid, docosahexaenoic acid, and docosapentaenoic acid or a mixture thereof wherein the composition is administered for a time sufficient to increase the fertility of the male swine.

70. (Amended) A method of increasing the reproductive performance of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products containing omega-3 fatty acids or esters thereof.

✓
Please add claims 71 and 72 as follows:

71. (New) A method of increasing the reproductive performance of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C₂₀ omega-3 fatty acids or esters thereof.

72. (New) A method of increasing the reproductive performance of a female swine, comprising the step of administering to the female swine a feed composition comprising marine animal products comprising C₂₂ omega-3 fatty acids or esters thereof.

REMARKS

Claims 21-22, 24, 26-40, 42-59, 63-64, 66, and 68 have been cancelled without prejudice.

Claims 71 and 72 have been added. Support for these claims is found in original claim 7 and in Example 1.

The specification has been amended to correct typographical errors in the second paragraph on page 2 of the specification (see the Information Disclosure Statement